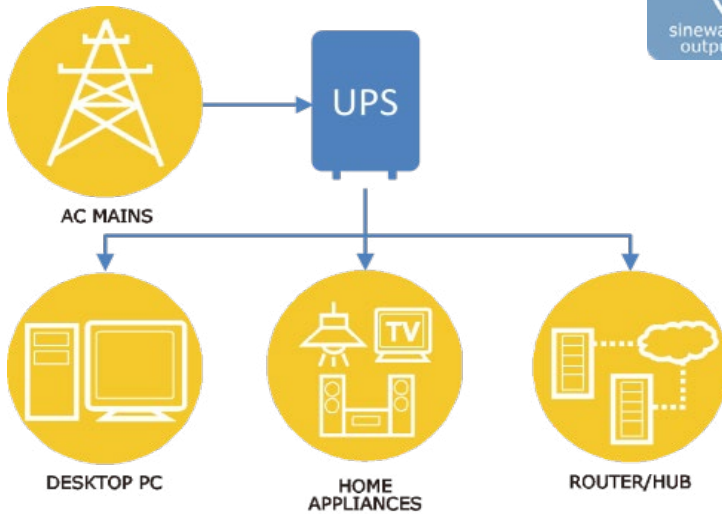# ESART SERIES

Key features

- High output power factor (0.9)
- Built-in voltage regulator stables unstable AC input power
- Intelligent communication slot enables remote monitoring
- HID USB interface enables integration with built-in power management and auto shutdown features of Windows and Mac OS and Linux
- Rack/tower dual set-up with rotatable LCD panel
- Optional EBM (Extended Battery Module) available for battery expansion

Typical application

sinewave output

built-in batteries

HID

Up to 4.5 min backup time

97% Efficiency (Line Mode)

UPSONIC POWER

RELIABLE POWER SOLUTIONS FOR A NON-STOP WORLD

Product Specifications

MODEL		ESART 1000	ESART 2000	ESART 3000
CAPACITY		1000VA/900W	2000VA/1800W	3000VA/2700W
INPUT	Input Voltage Range	154VAC - 288VAC		
	Frequency Range	45-55Hz / 55-65 Hz		
	Input Wiring	Single phase with ground		
	Current Distortion (THDi)	10%		
OUTPUT	Output Power Factor	0.9		
	Nominal Output Voltage	220/230/240VAC		
	Voltage Regulation (Line Mode)	-10% ~ +6%		
	Voltage Regulation (Battery Mode)	± 5 %		
	Frequency Range (Battery Mode)	50/60 Hz ± 0.1 Hz		
	Voltage Distortion (THDv)	< 3% @ linear load, < 6% @ non-linear load		
	Output Waveform	Pure sine wave		
	Parallel Operation	N/A		
EFFICIENCY	Line Mode	97%		
	AVR Mode	Boost mode: 92%, Buck mode: 95%		
	Battery Mode	>82%	>80%	80%
BATTERY	Battery Type	12V/7Ah	12V/9Ah	12V/9Ah
	Number of Internal Battery	3	4	6
	Rated Battery Voltage	$36V_{DC}$	$48V_{DC}$	$72V_{DC}$
	Backup Time (@ full load)	4.5 min	3 min	3 min
	Recharge Time (to 90%)	3 hours	4 hours	4 hours
	Charging Current	1.5A	1.5A	1.5A
TRANSFER TIME	Battery Mode ↔ Line Mode	2-6 ms		
DISPLAY		LCD		
AUDIBLE ALARM		Yes		
DIMENSION	WxHxD	438 X 86.5 x 435 mm		438 X 86.5 x 604 mm
NET WEIGHT		16kg	21kg	31kg
ENVIRONMENT	Operating Temperature	0~40°C		
	Noise Level	<45dB		
INTERFACE	RS232/USB	Yes		
	External Slot	Yes		
	Dry Contact	Yes		

Product rear panel

ESART 1000

ESART 3000

ESART 2000